0590



OIPE

#2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/989,621

DATE: 02/07/2002 TIME: 17:08:46

Input Set : N:\Crf3\RULE60\09989621.txt
Output Set: N:\CRF3\02072002\1989621.raw

```
4 <110> APPLICANT: Mogam Biotechnology Research Institute
                                                        ENTERED
      5
              Kim, Tae-Youn
      6
              Lee, Ki-Young
      7
              Chang, Jin-Soo
      8
              Cho, Sung-Yoo
      9
              Hwang, Yu-Kyeong
              Choi, Myeong
     10
              Cheong, Hong-Seok
     11
     13 <120> TITLE OF INVENTION: Liposomes Comprising Peptide Antigens
             Derived from X Protein of Hepatitis B virus
     17 <130> FILE REFERENCE: 0136/0E154
     19 <140> CURRENT APPLICATION NUMBER: 09/989,621
     20 <141> CURRENT FILING DATE: 2001-11-20
     22 <150> PRIOR APPLICATION NUMBER: 09/051,006
     23 <151> PRIOR FILING DATE: 2000-11-17
W--> 24 <160> NUMBER OF SEQ ID: 10
     26 <170> SOFTWARE: FastSEQ for Windows Version 3.0
     28 <210> SEQ ID NO: 1
     29 <211> LENGTH: 9
     30 <212> TYPE: PRT
     31 <213> ORGANISM: Hepatitis B virus
    33 <400> SEQUENCE: 1
    34 His Leu Ser Leu Arg Gly Leu Phe Val
    35
     37 <210> SEQ ID NO: 2
    38 <211> LENGTH: 9
    39 <212> TYPE: PRT
    40 <213> ORGANISM: Hepatitis B virus
    42 <400> SEQUENCE: 2
    43 Val Leu His Lys Arg Thr Leu Gly Leu
    44
         1
    46 <210> SEQ ID NO: 3
    47 <211> LENGTH: 9
    48 <212> TYPE: PRT
    49 <213> ORGANISM: Hepatitis B virus
    51 <400> SEQUENCE: 3
    52 Ala Met Ser Thr Thr Asp Leu Glu Ala
    53
         1
    55 <210> SEQ ID NO:
    56 <211> LENGTH: 9
    57 <212> TYPE: PRT
    58 <213> ORGANISM: Hepatitis B virus
    60 <400> SEQUENCE: 4
```

RAW SEQUENCE LISTING

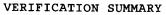
DATE: 02/07/2002

PATENT APPLICATION: US/09/989,621

TIME: 17:08:46

Input Set : N:\Crf3\RULE60\09989621.txt
Output Set: N:\CRF3\02072002\I989621.raw

```
61 Cys Leu Phe Lys Asp Trp Glu Glu Leu
64 <210> SEQ ID NO:
65 <211> LENGTH: 9
66 <212> TYPE: PRT
67 <213> ORGANISM: Hepatitis B virus
69 <400> SEQUENCE: 5
70 Glu Ile Arg Leu Lys Val Phe Val Leu
   1
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 9
75 <212> TYPE: PRT
76 <213> ORGANISM: Hepatitis B virus
78 <400> SEQUENCE: 6
79 Val Leu Cys Leu Arg Pro Val Gly Ala
80
82 <210> SEQ ID NO: 7
83 <211> LENGTH: 9
84 <212> TYPE: PRT
85 <213> ORGANISM: Hepatitis B virus
87 <400> SEQUENCE: 7
88 Thr Leu Pro Ser Pro Ser Ser Ser Ala
89 1
91 <210> SEO ID NO: 8
92 <211> LENGTH: 15
93 <212> TYPE: PRT
94 <213> ORGANISM: HIV
96 <400> SEQUENCE: 8
97 Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
   1
100 <210> SEQ ID NO: 9
101 <211> LENGTH: 26
102 <212> TYPE: PRT
103 <213> ORGANISM: HIV
105 <400> SEQUENCE: 9
106 Thr Arg Pro Asn Asn Asn Thr Arg Lys Arg Ile Arg Ile Gln Arg Gly
107
                     5
                                         10
108
    Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 8
113 <212> TYPE: PRT
114 <213> ORGANISM: HCV
116 <400> SEQUENCE: 10
117 Asp Leu Met Gly Tyr Ile Pro Leu
118
```



PATENT APPLICATION: US/09/989,621

DATE: 02/07/2002

TIME: 17:08:47

Input Set : N:\Crf3\RULE60\09989621.txt
Output Set: N:\CRF3\02072002\1989621.raw

 $L:24\ M:283\ W:$ Missing Blank Line separator, <160> field identifier